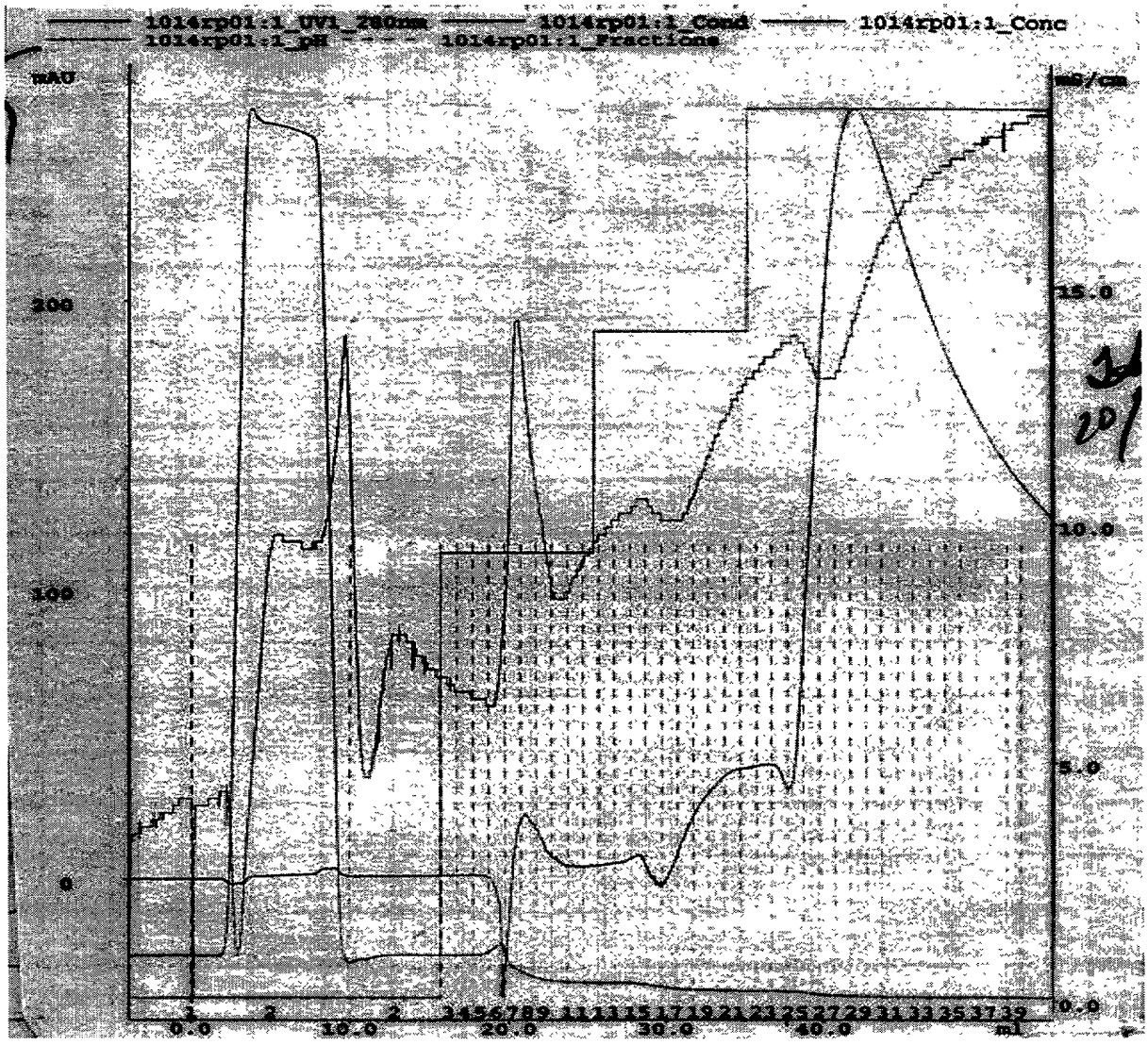
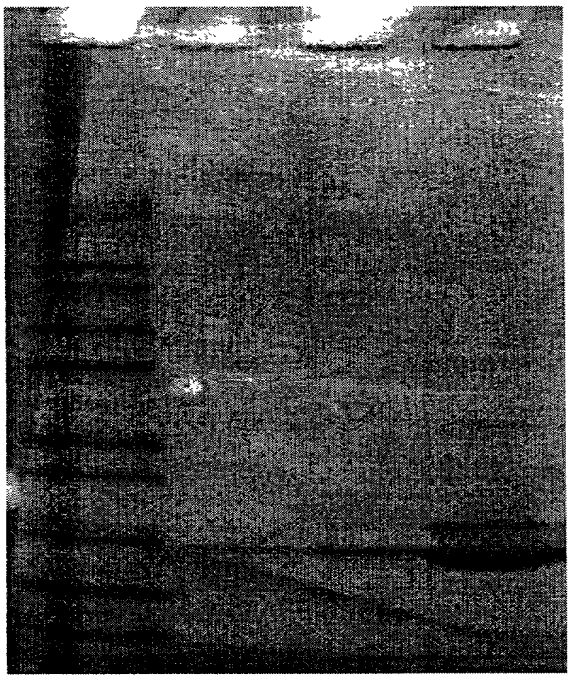

1014rp01:1_UV1_280nm
1014rp01:1_Cond
1014rp01:1_Conc
1014rp01:1_pH
1014rp01:1_Fractions
mAU
mS/cm
200
100
0
15.0
10.0
5.0
0.0
0.0
10.0
20.0
30.0
40.0
ml

Figure 1

1 2 3 4



Lane 1 - Mark 12 MW markers
Lane 2 - Bakerbond butyl fraction # 8
Lane 3 - Bakerbond butyl fraction #22
Lane 4 - Bakerbond butyl fraction #29

Figure 2

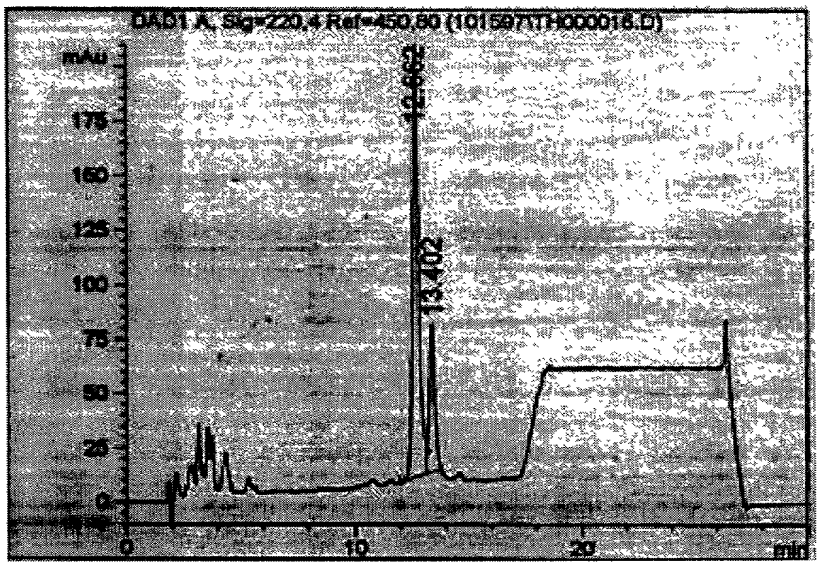

DAD1 A, Sig=220,4 Ref=450,80 (101597\1HO00016.D)
mAu
175
150
125
100
75
50
25
0
12.962
13.402
0
10
20
min

Figure 3

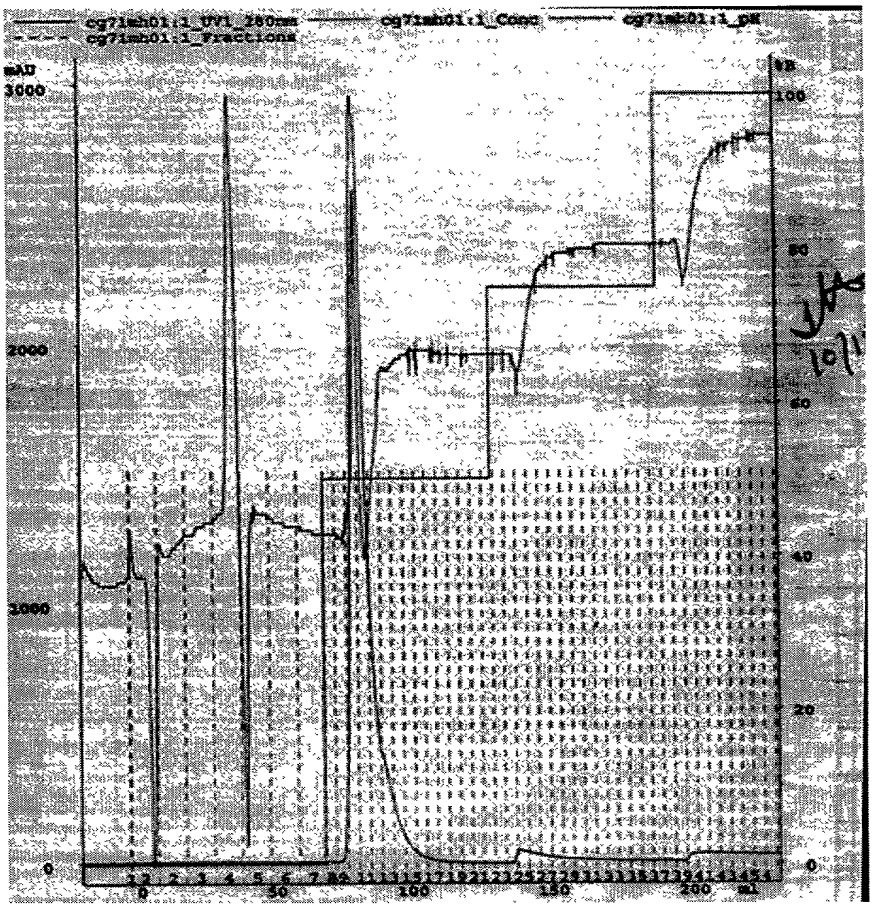
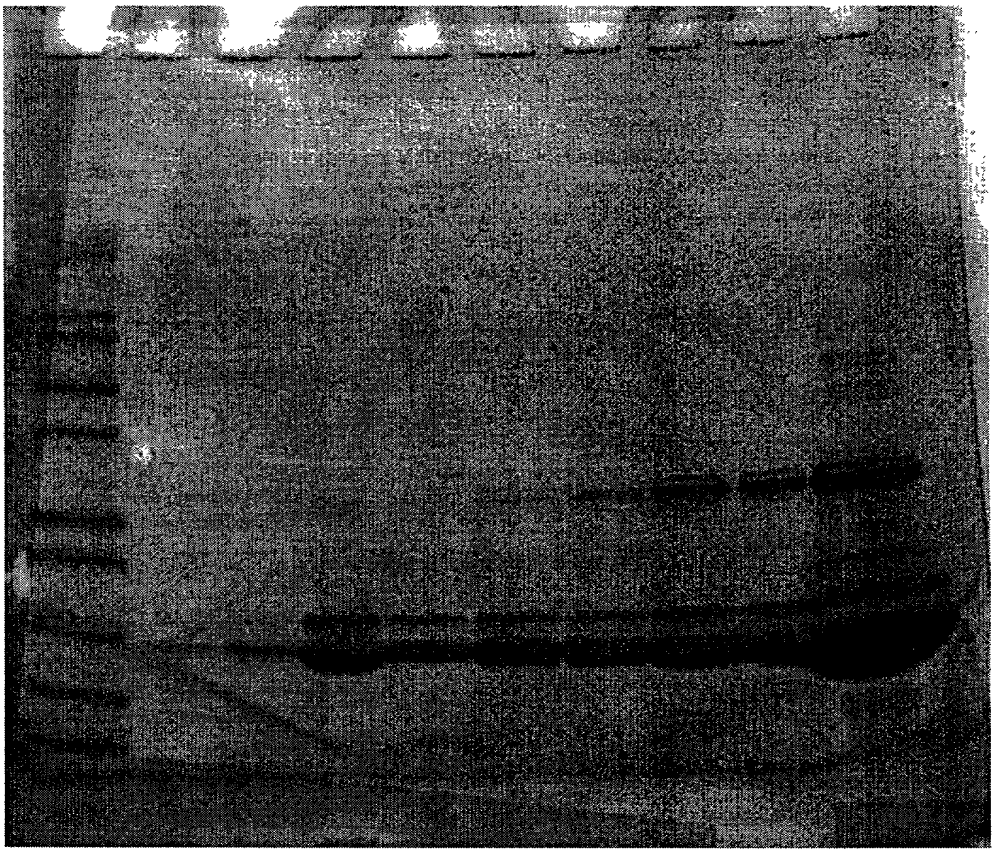

cg71mh01:1_UV1_280nm
cg71mh01:1_Conc
cg71mh01:1_pH
cg71mh01:1_Fractions
mAU
3000
2000
1000
0
%B
100
80
60
40
20
0
0
50
100
150
200
ml

Figure 4

1 2 3 4 5 6 7 8 9 10



Lane 1 - Mark 12 MW markers
Lanes 2-9 - Not applicable
Lane 10 - CG71M Step Elution at 32% 1,6 hexanediol

Figure 5

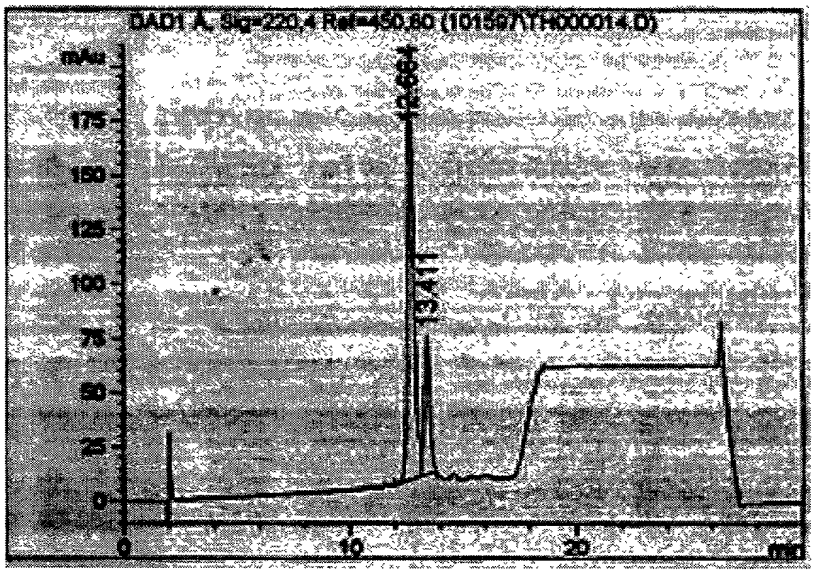

DAD1 A, Sig=220,4 Ref=450,80 (101507\YH000014.D)
mAu
175
150
125
100
75
50
25
0
13.411
0
10
20
min

Figure 6

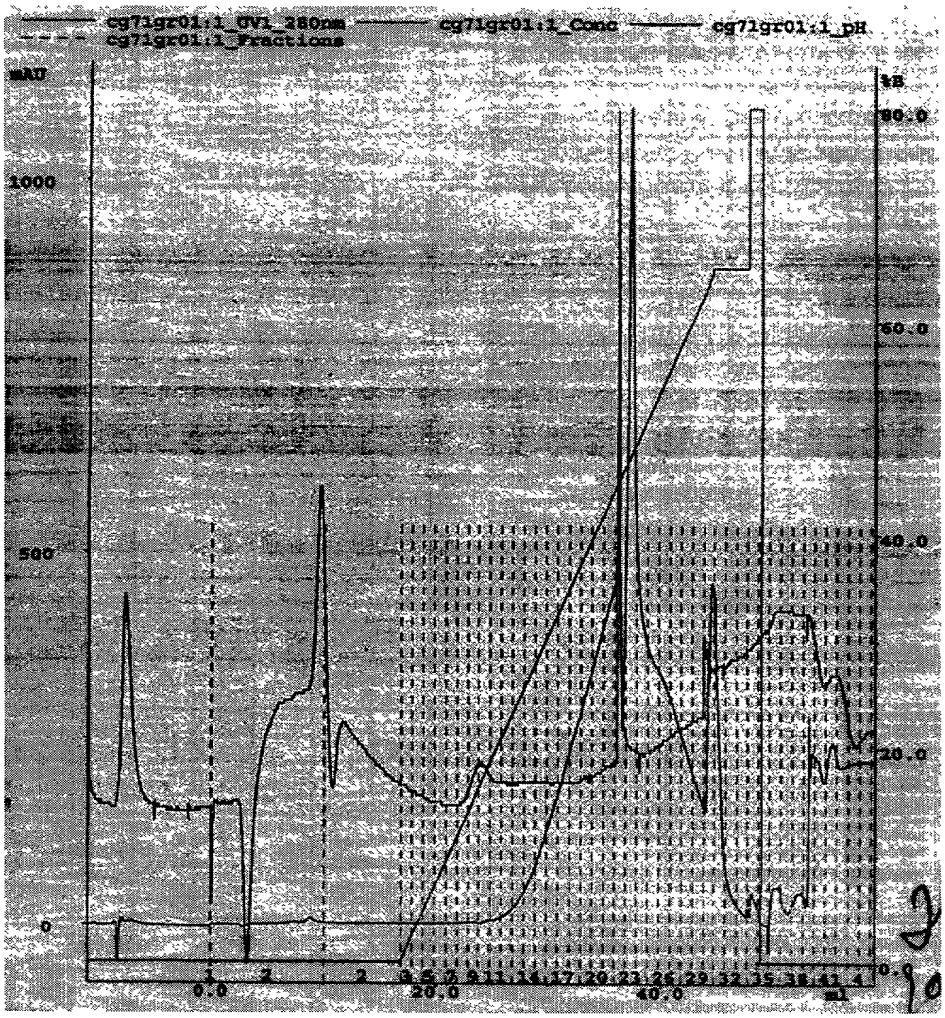

cg71gr01:1_UV1_280nm
cg71gr01:1_Fractions
cg71gr01:1_Conc
cg71gr01:1_pH
mAU
1000
500
0
%B
80.0
60.0
40.0
20.0
0.0
20.0
40.0
ml

Figure 7

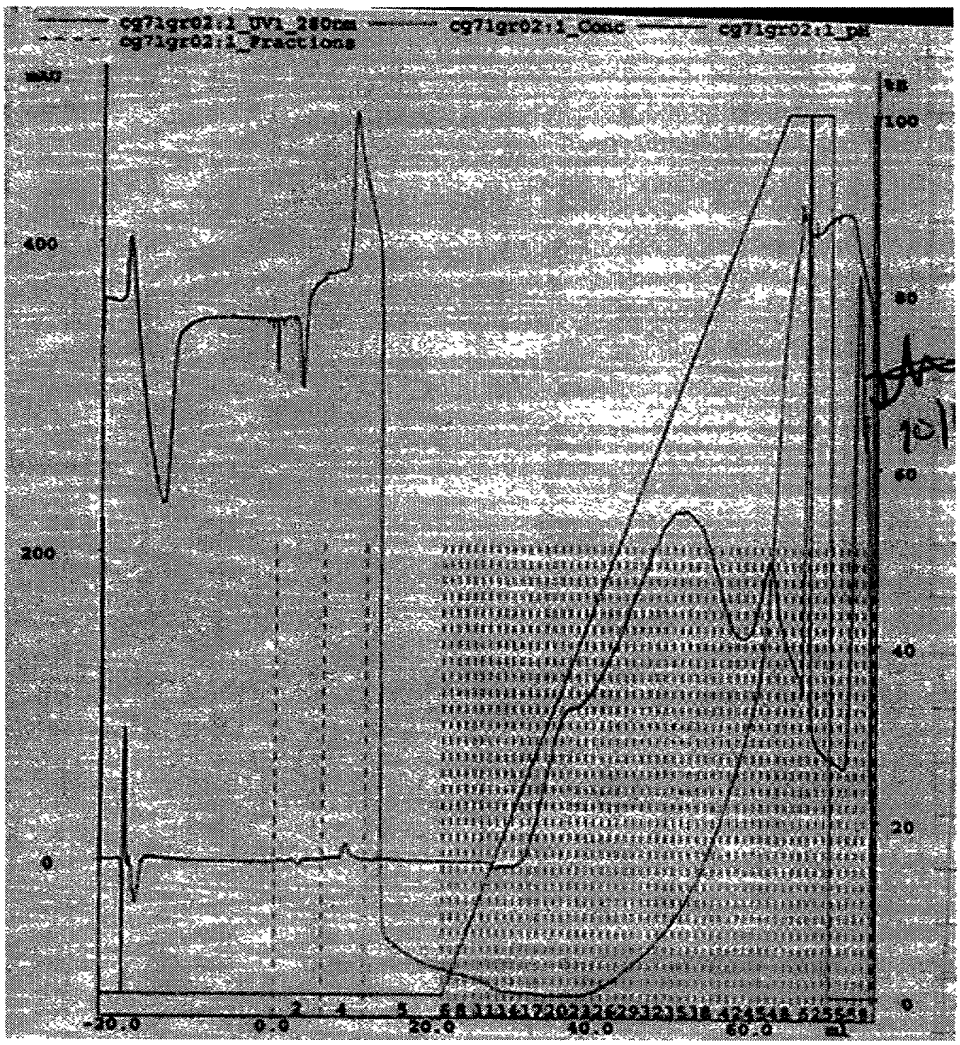
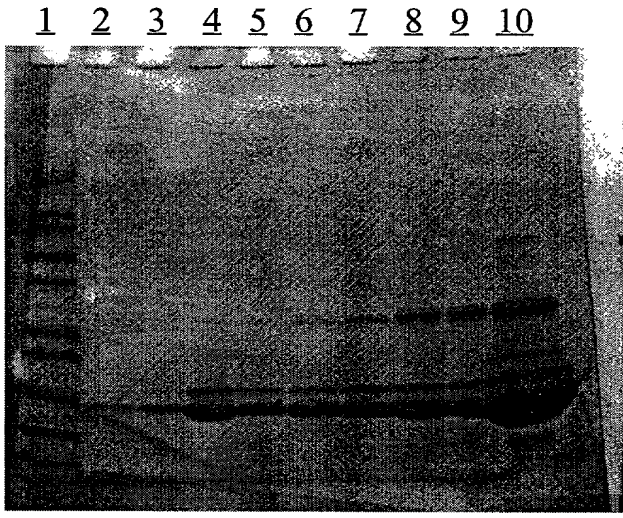

cg71gr02:1_UV1_280nm
cg71gr02:1_Fractions
cg71gr02:1_Conc
cg71gr02:1_pH
mAU
400
200
0
100
80
60
40
20
0
-20.0
0.0
20.0
40.0
60.0
mL

Figure 8

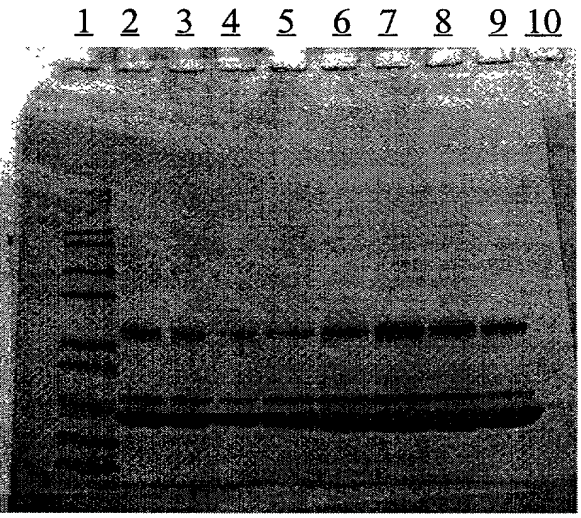
Attachment 3
062-32 SDS-PAGE Analysis of Various Experiments

Gel 1



Lane 1 - Mark 12 MW markers
Lane 2 - NA
Lane 3 - NA
Lane 4 - NA
Lane 5 - CG71C Low pH f # 19
Lane 6 - CG71C Low pH f #21
Lane 7 - CG71C Low pH f # 27
Lane 8 - CG71C Low pH f #35
Lane 9 - CG71C Low pH f #40
Lane 10 - NA

Gel 2



Lane 1 - Mark 12 MW Markers
Lane 2 - CG71C Low pH f #47
Lane 3 - CG71C Low pH f #51
Lane 4 - CG71C Low pH f #58
Lane 5 - CG71C pH 7.2 f #17
Lane 6 - CG71C pH 7.2 f #20
Lane 7 - CG71C pH 7.2 f #23
Lane 8 - CG71C pH 7.2 f #27
Lane 9 - CG71C pH 7.2 f #30
Lane 10 - Blank

Figure 9

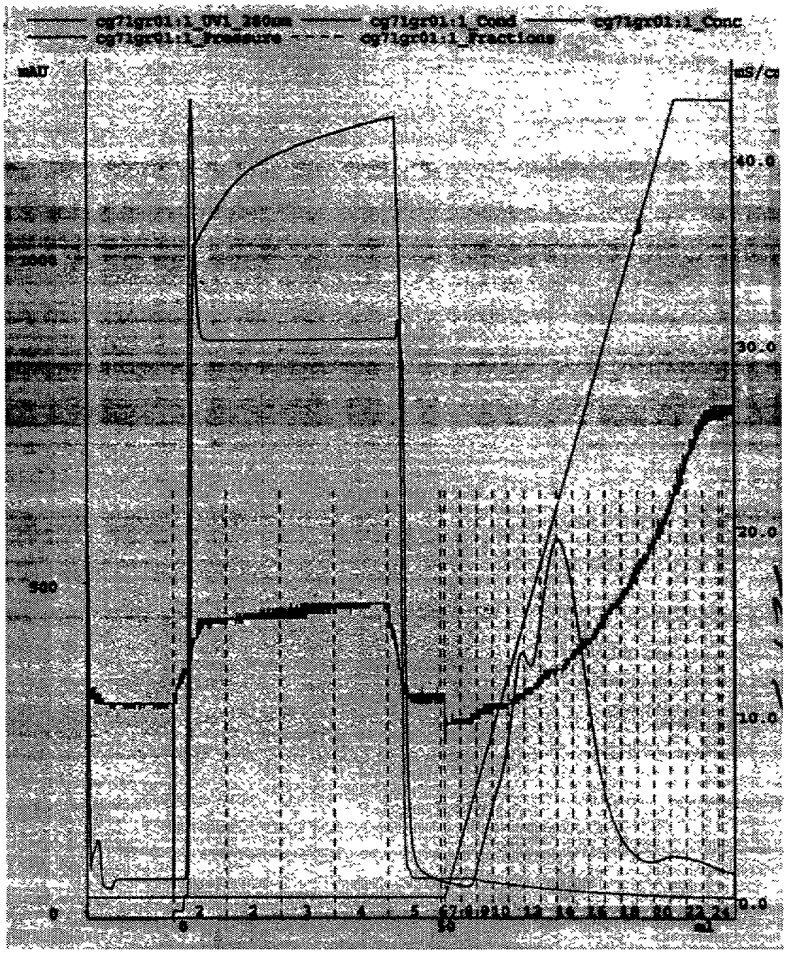

cg71gr01:1_UV1_280nm
cg71gr01:1_Cond
cg71gr01:1_Conc
cg71gr01:1_Pressure
cg71gr01:1_Fractions
mAU
mS/cm
40.0
30.0
20.0
10.0
0.0
500
0
2
3
4
5
6
7
8
9
10
12
14
16
18
20
22
24
ml

Figure 10

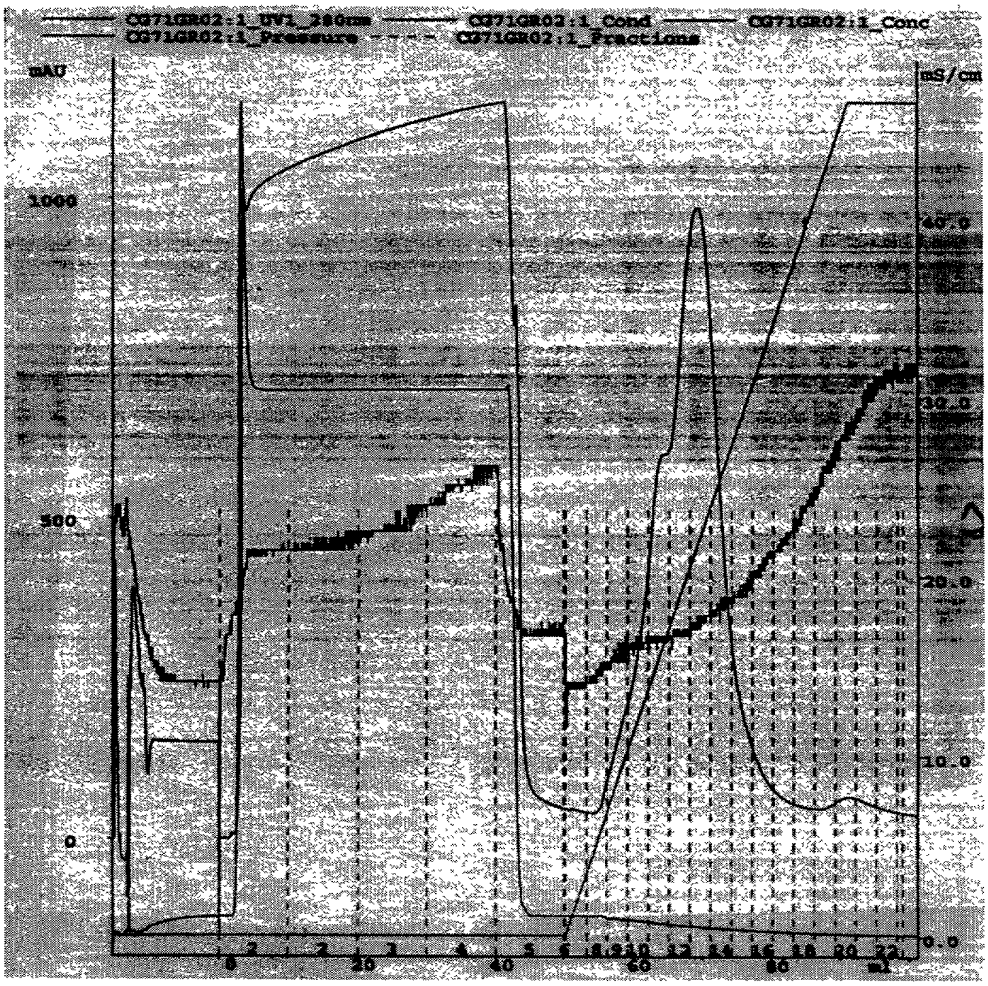

C071GR02:1_UV1_280nm
C071GR02:1_Cond
C071GR02:1_Conc
C071GR02:1_Pressure
C071GR02:1_Fractions
mAU
1000
500
0
mS/cm
40.0
30.0
20.0
10.0
0.0
0
20
40
60
80
ml

Figure 11

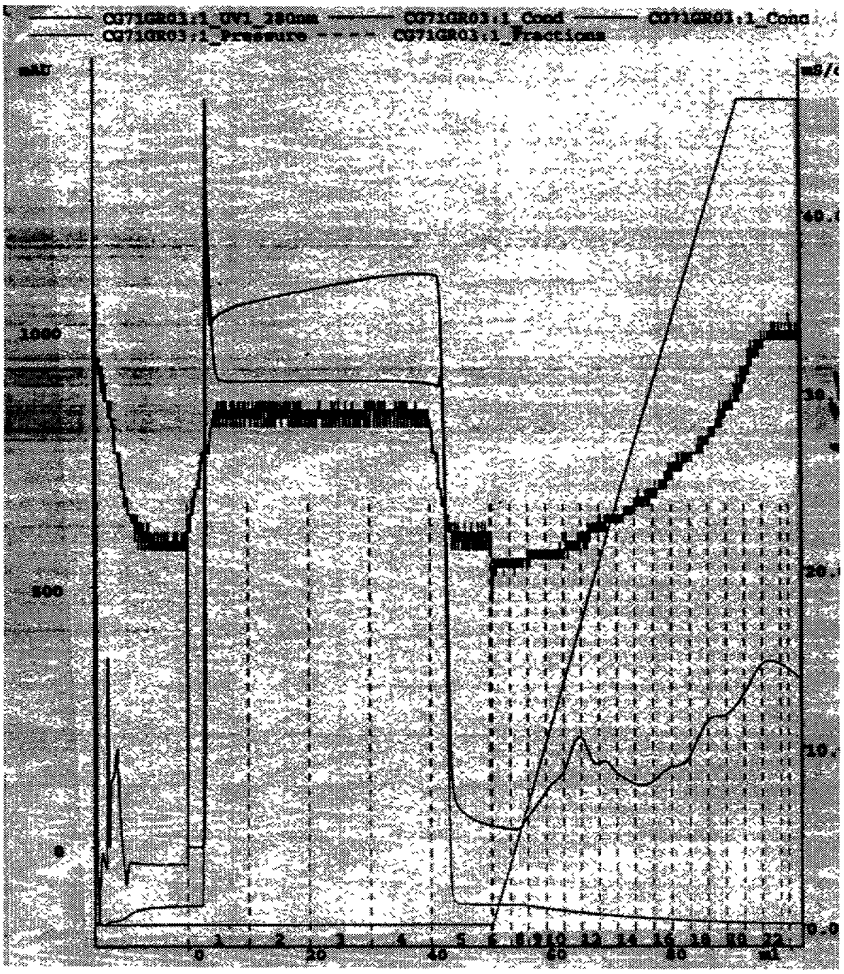
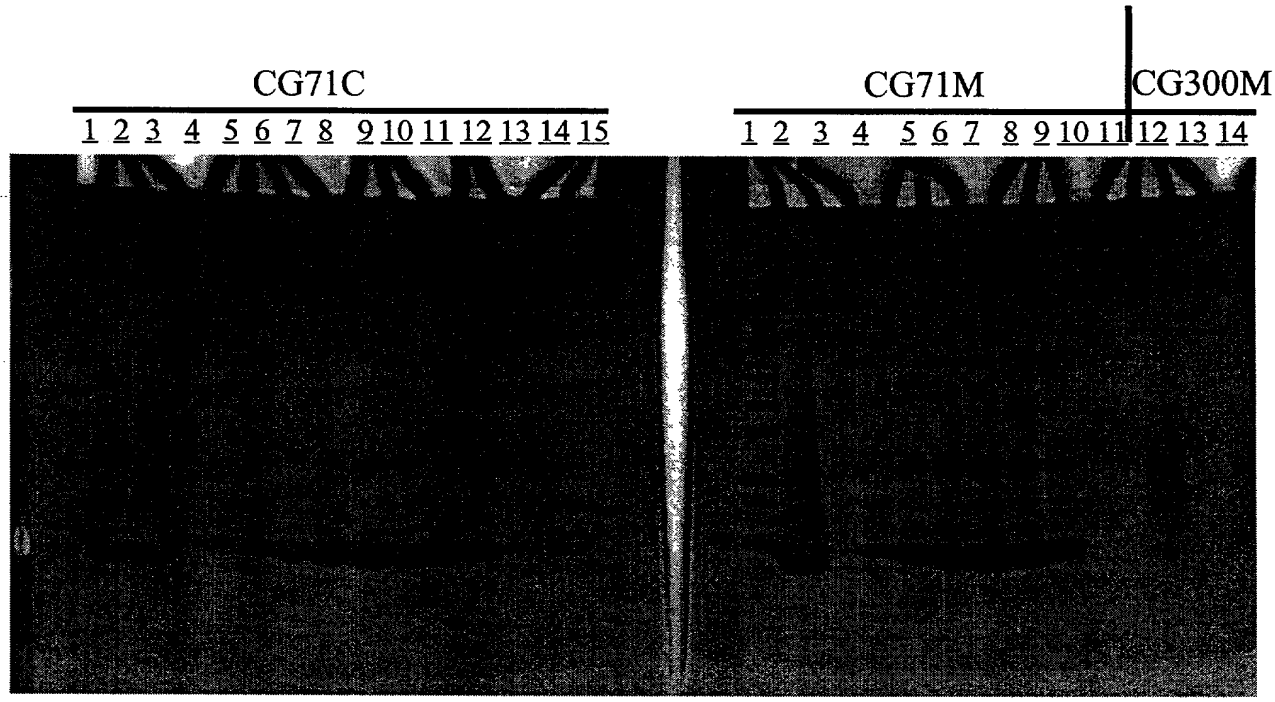

CG71GR03:1_UV1_280nm
CG71GR03:1_Cond
CG71GR03:1_Conc
CG71GR03:1_Pressure
CG71GR03:1_Fractions
mAU
1000
500
0
40
30
20
10
0.0
0
20
40
60
ml

Figure 12

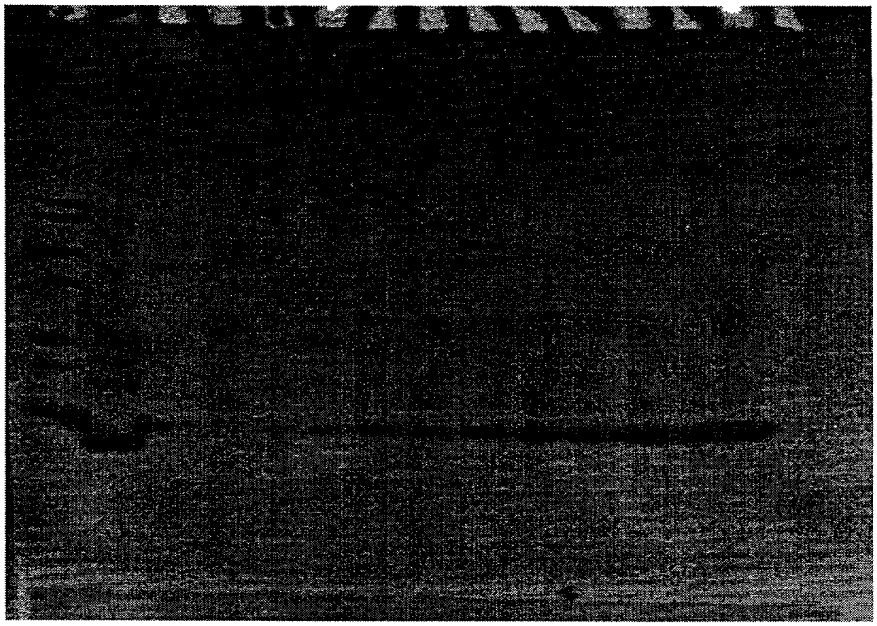


Lane 1 - Mark 12 MW Markers
Lane 2 - Top Phase containing crude material
Lane 3 - fraction # 4 (Flow Through)
Lane 4 - fraction # 9
Lane 5 - fraction # 10
Lane 6 - fraction # 11
Lane 7 - fraction # 12
Lane 8 - fraction # 13
Lane 9 - fraction # 14
Lane 10 - fraction # 15
Lane 11 - fraction # 16
Lane 12 - fraction # 17
Lane 13 - fraction # 20
Lane 14 - fraction # 21
Lane 15 - fraction # 22

Lane 1 - Mark 12 MW Markers
Lane 2 - Top Phase containing crude material
Lane 3 - fraction # 9 (CG71M)
Lane 4 - fraction # 10
Lane 5 - fraction # 11
Lane 6 - fraction # 12
Lane 7 - fraction # 13
Lane 8 - fraction # 14
Lane 9 - fraction # 15
Lane 10 - fraction # 20
Lane 11 - fraction # 21
Lane 12 - fraction # 4 (CG300M)
Lane 13 - fraction # 9
Lane 14 - fraction # 10

Figure 13

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



Lane 1 - Mark 12 MW Markers
Lane 2 - Top Phase of crude mixture
Lane 3 - fraction # 2
Lane 4 - fraction # 3
Lane 5 - fraction # 4
Lane 6 - fraction # 5
Lane 7 - fraction # 6
Lane 8 - fraction # 7
Lane 9 - fraction # 8
Lane 10 - fraction # 19
Lane 11 - fraction # 20
Lane 12 - fraction # 21
Lane 13 - fraction # 22
Lane 14 - fraction # 23
Lane 15 - blank

Figure 14

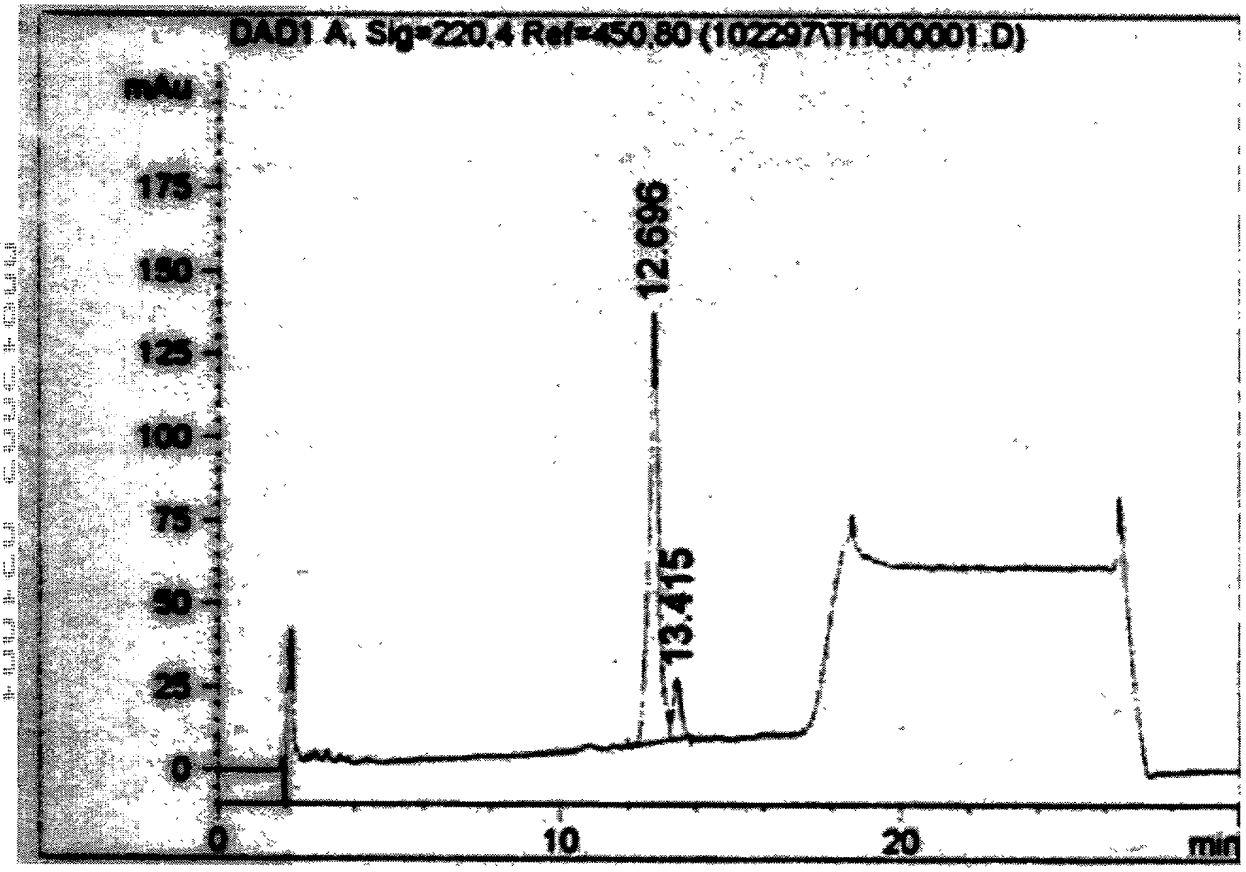

DAD1 A, Sig=220,4 Ref=450,80 (102297\TH000001.D)
mAU
175
150
125
100
75
50
25
0
12.696
13.415
0
10
20
min

Figure 15

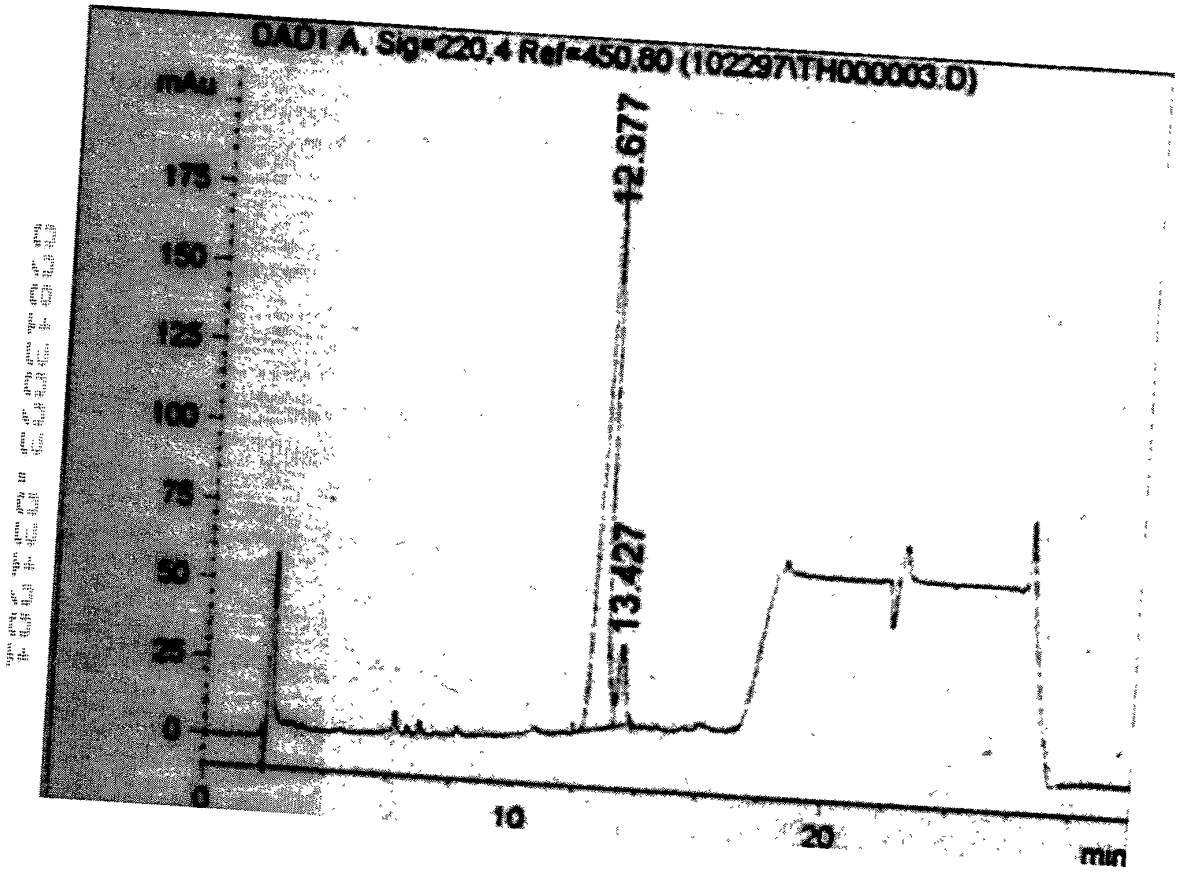

DAD1 A, Sig=220,4 Ref=450,80 (102297\TH000003.D)
mAu
175
150
125
100
75
50
25
0
12.677
13.427
10
20
min

Figure 16

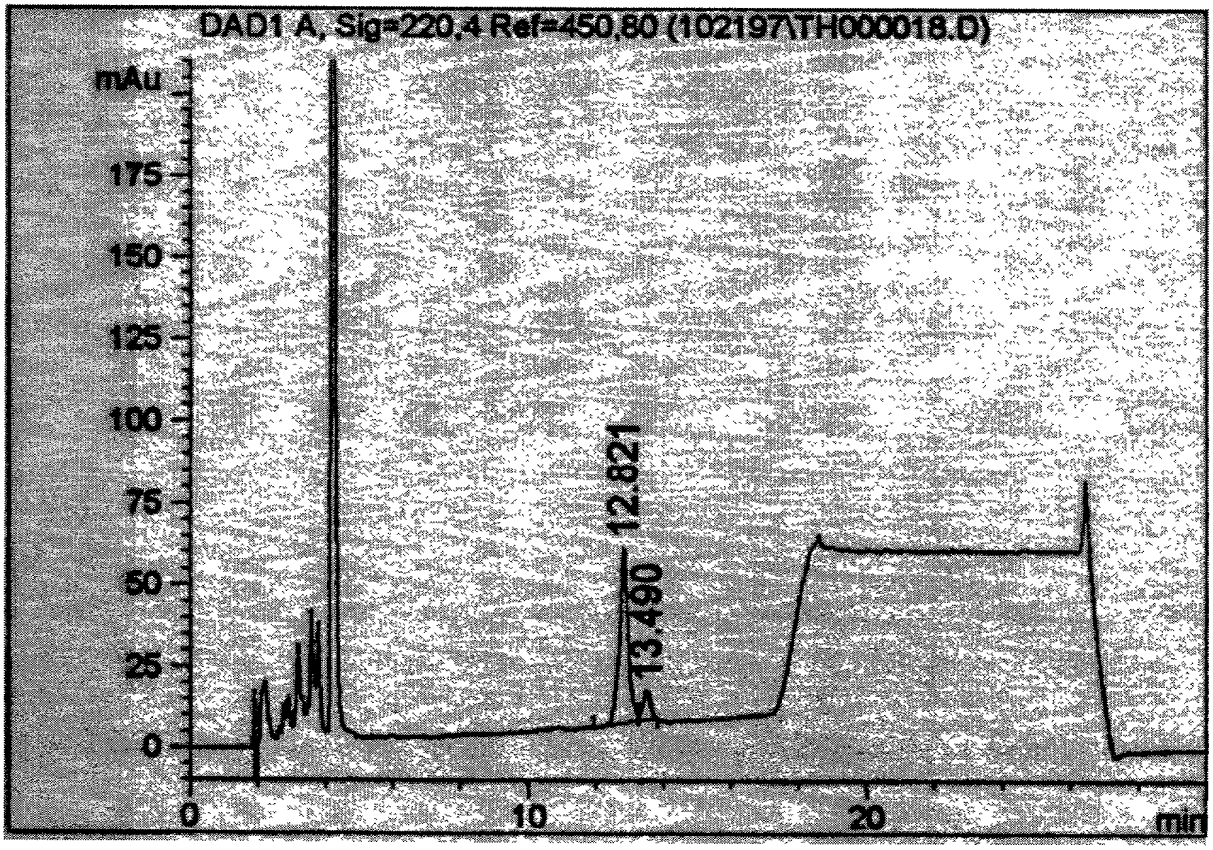

DAD1 A, Sig=220,4 Ref=450,80 (102197\TH000018.D)
mAu
175
150
125
100
75
50
25
0
12.821
13.490
0
10
20
min

Figure 17

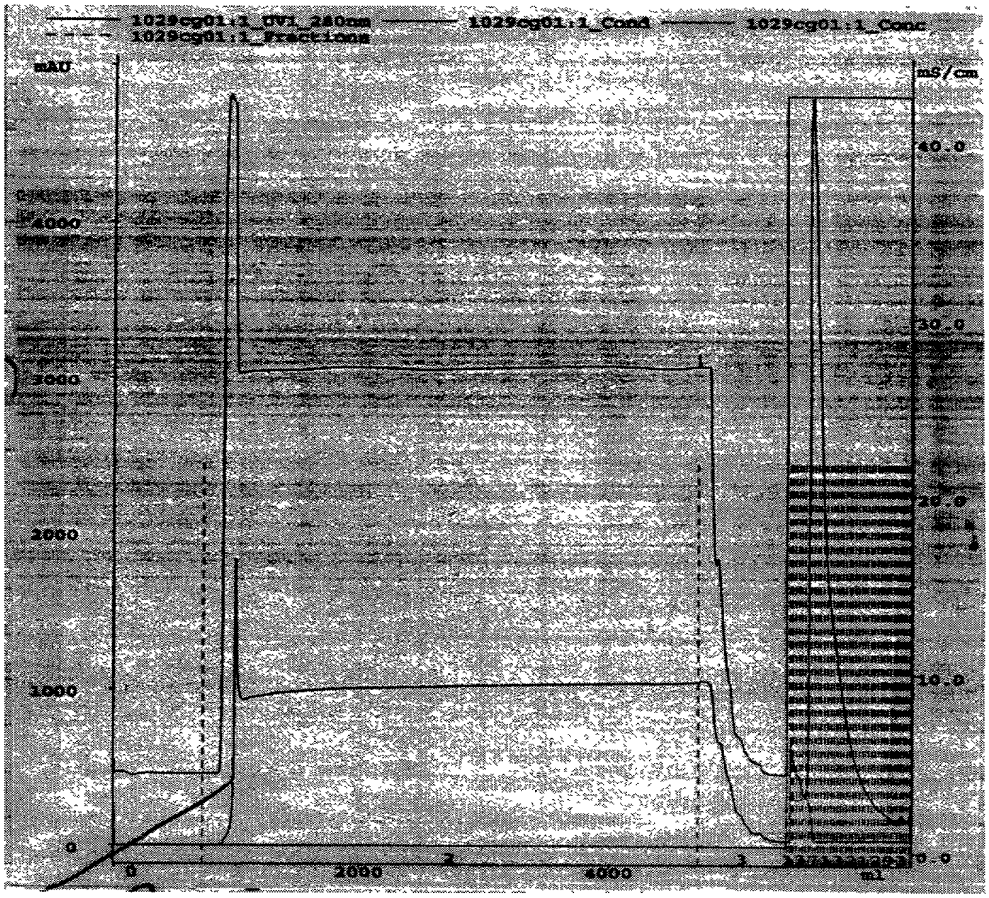

1029cg01:1_UV1_280nm
1029cg01:1_Cond
1029cg01:1_Conc
1029cg01:1_Fractions
mAU
mS/cm
4000
3000
2000
1000
0
40.0
30.0
20.0
10.0
0.0
2000
4000
ml

Figure 18

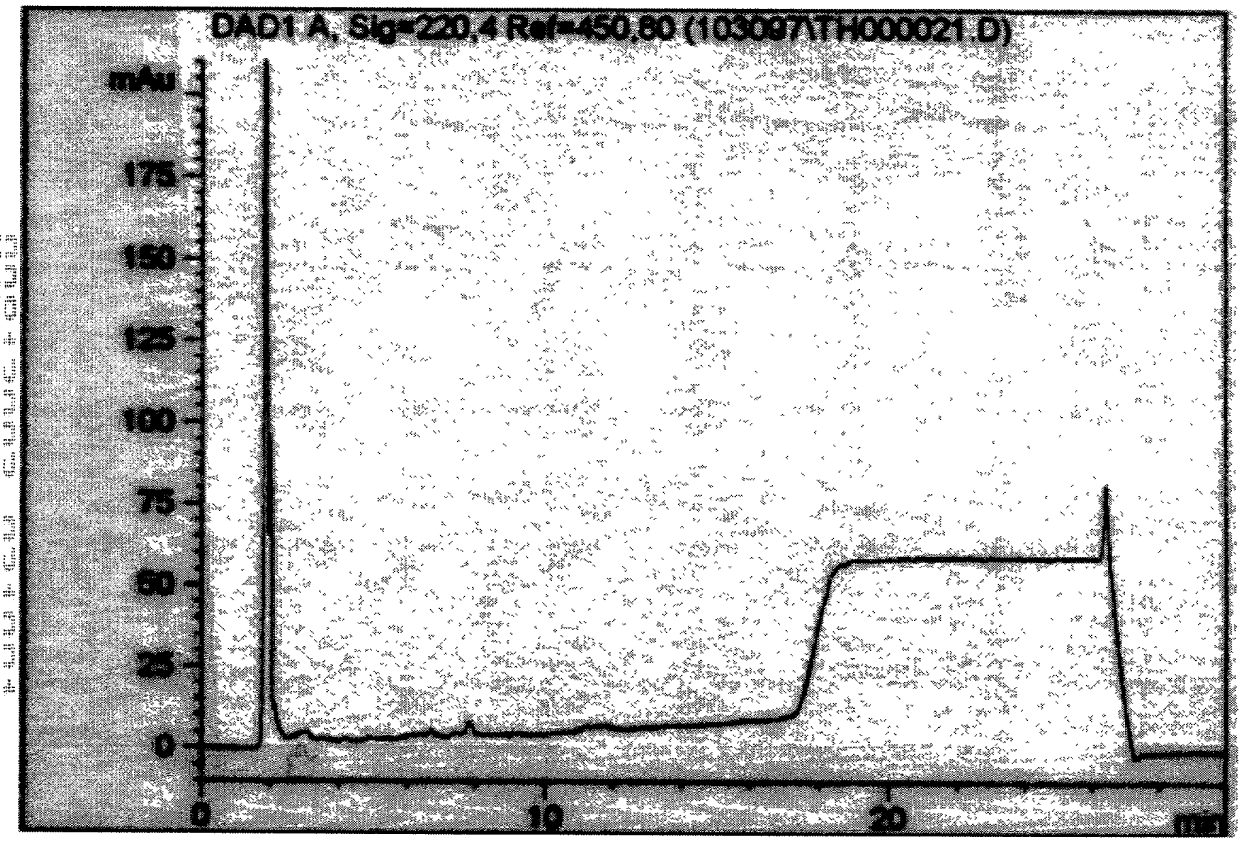

DAD1 A, Sig=220,4 Ref=450,80 (103097\TH000021.D)
mAu
175
150
125
100
75
50
25
0
0
10
20
min

Figure 19(a)

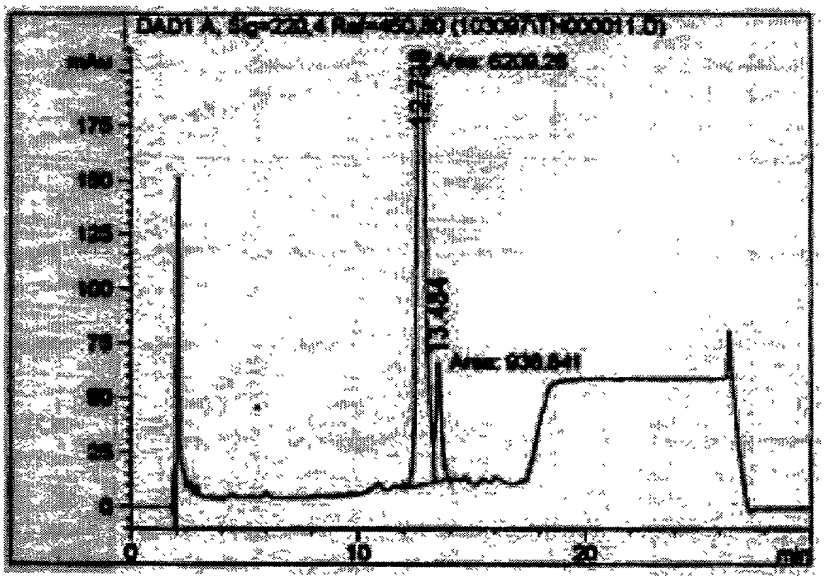


Figure 19(b)

Chromatogram of GHA Eluted from a 100L CG71M Column with 1,6 Hexanediol

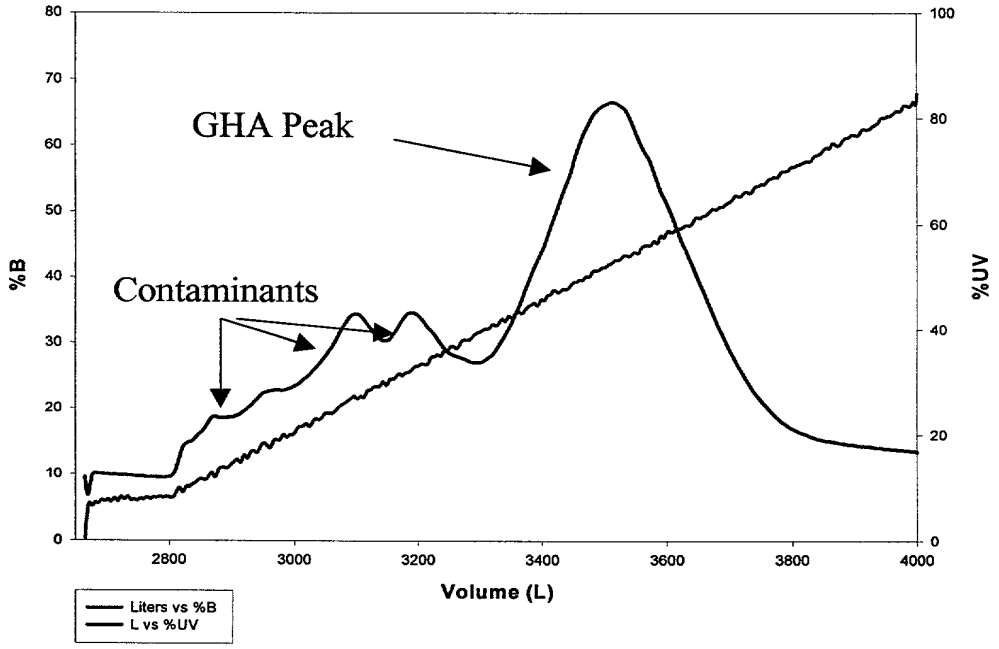


Figure 20

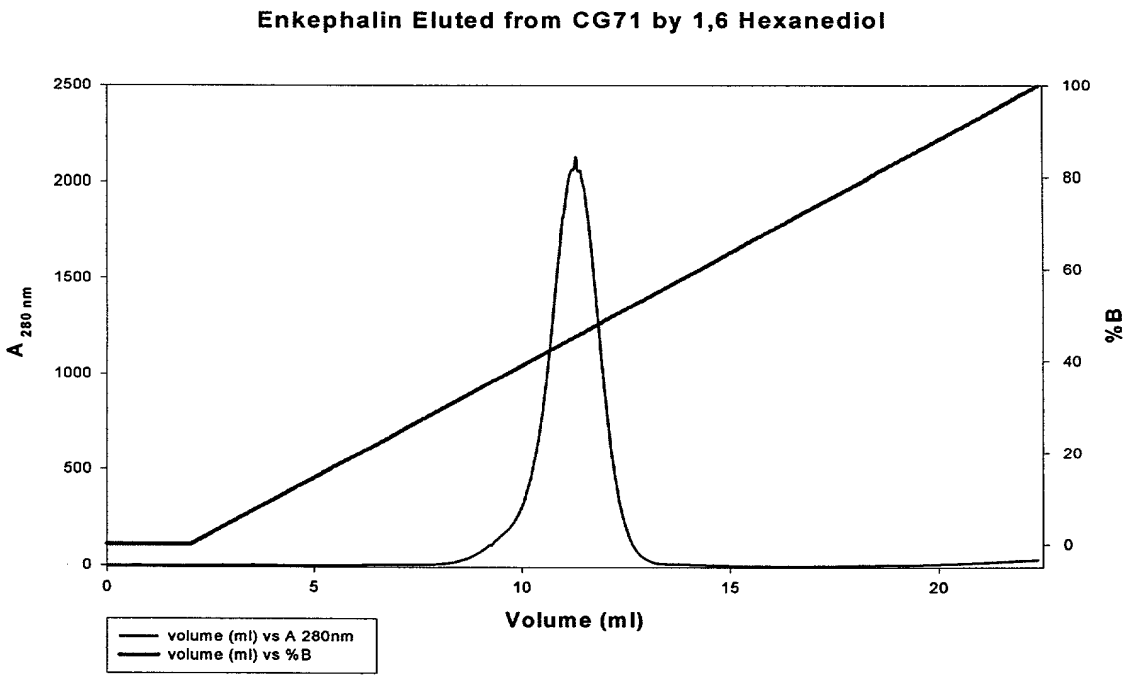

Enkephalin Eluted from CG71 by 1,6 Hexanediol
2500
2000
1500
1000
500
0
A 280 nm
100
80
60
40
20
0
%B
0
5
10
15
20
Volume (ml)
volume (ml) vs A 280nm
volume (ml) vs %B

Figure 21

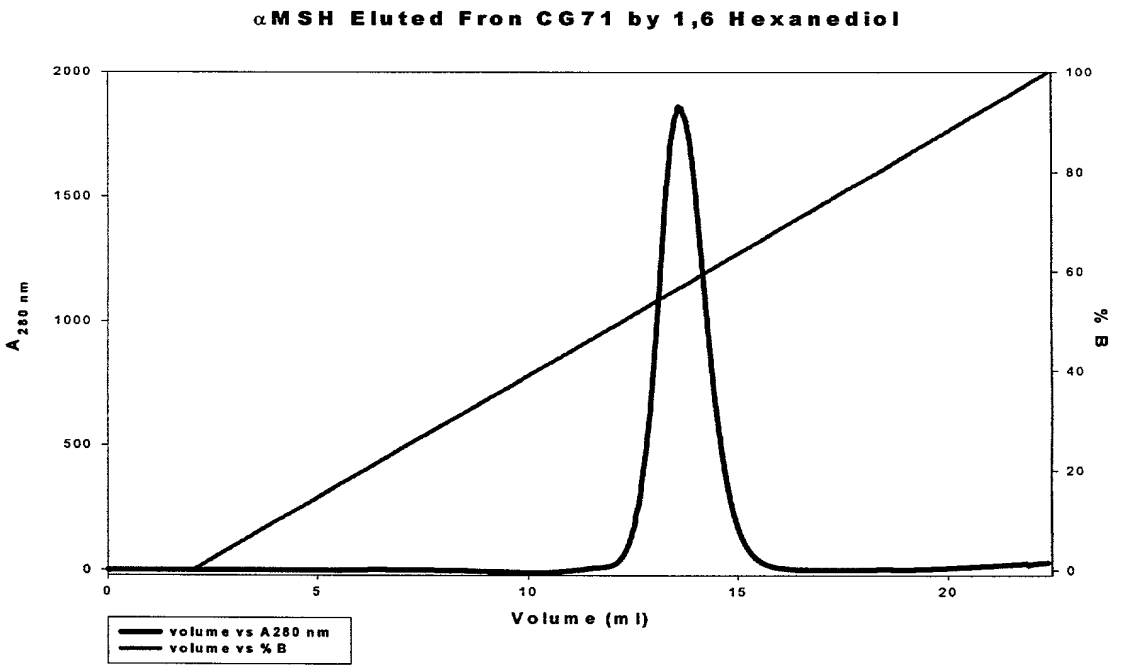

αMSH Eluted Fron CG71 by 1,6 Hexanediol
2000
1500
1000
500
0
A 280 nm
100
80
60
40
20
0
B %
0
5
10
15
20
Volume (ml)
volume vs A280 nm
volume vs %B

Figure 22

Figure 23(a)

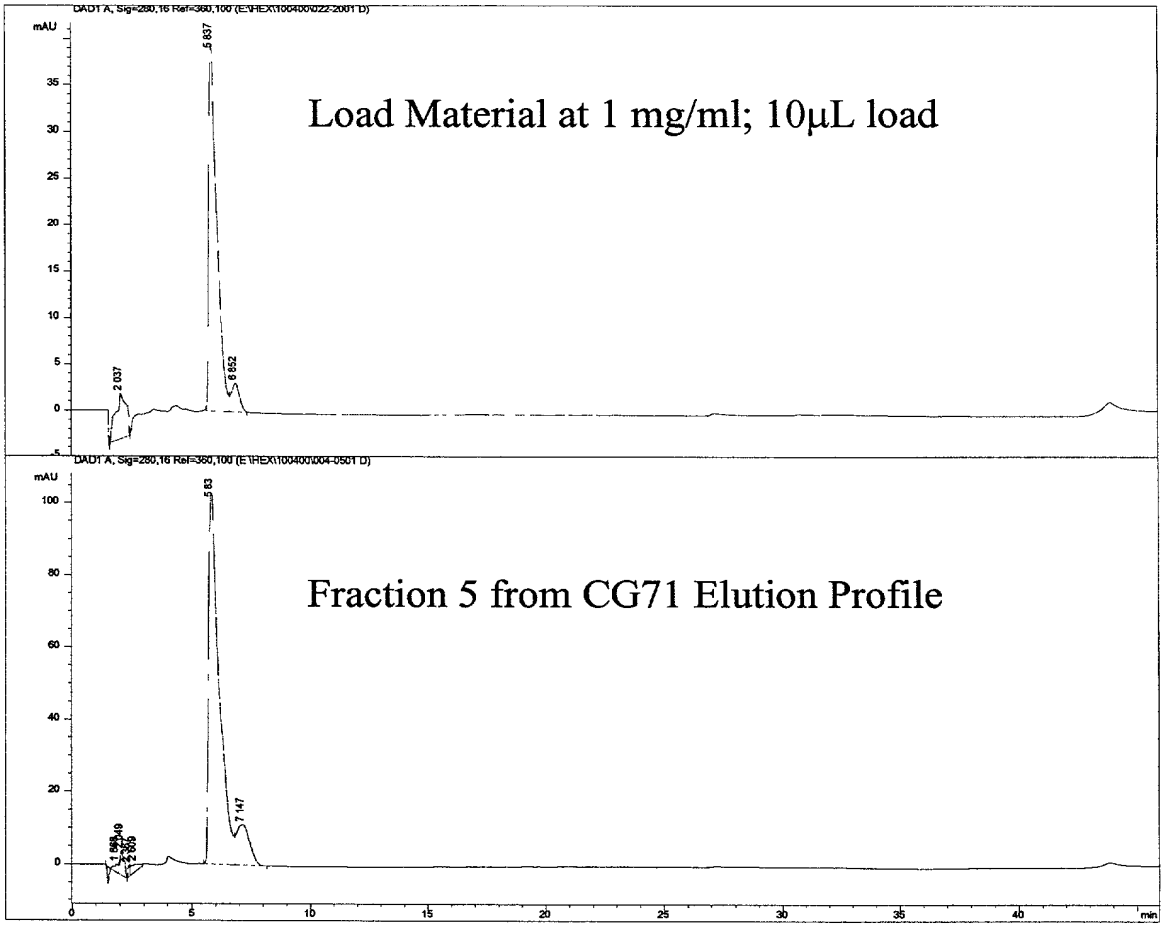


Figure 23(b)

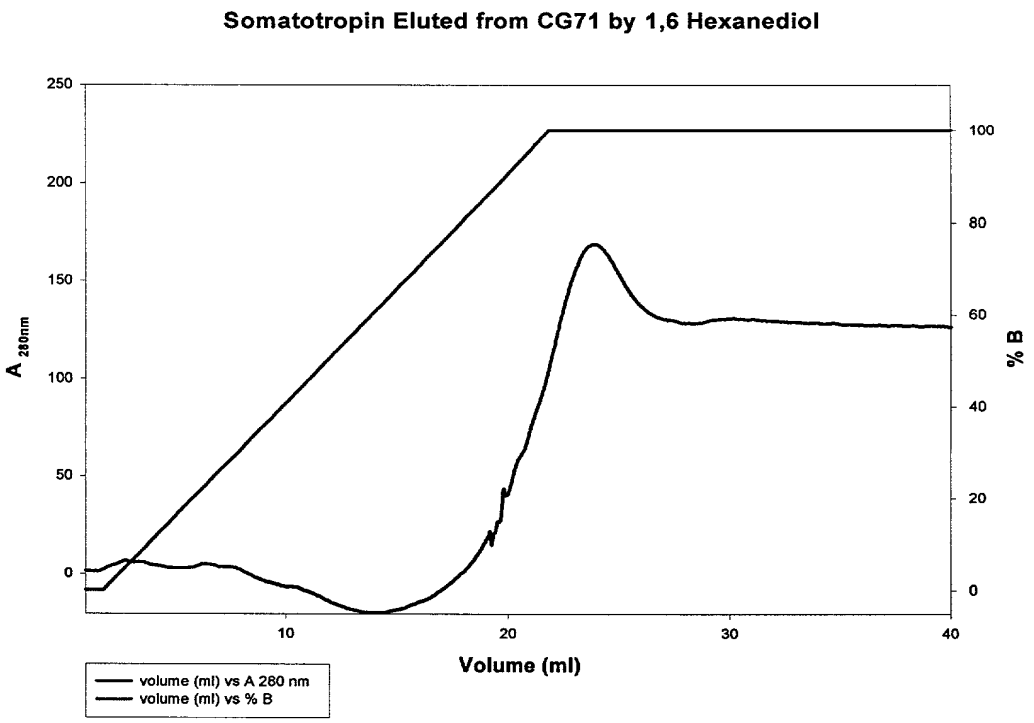

Somatotropin Eluted from CG71 by 1,6 Hexanediol
250
200
150
100
50
0
A 280nm
100
80
60
40
20
0
% B
10
20
30
40
Volume (ml)
volume (ml) vs A 280 nm
volume (ml) vs % B

Figure 24

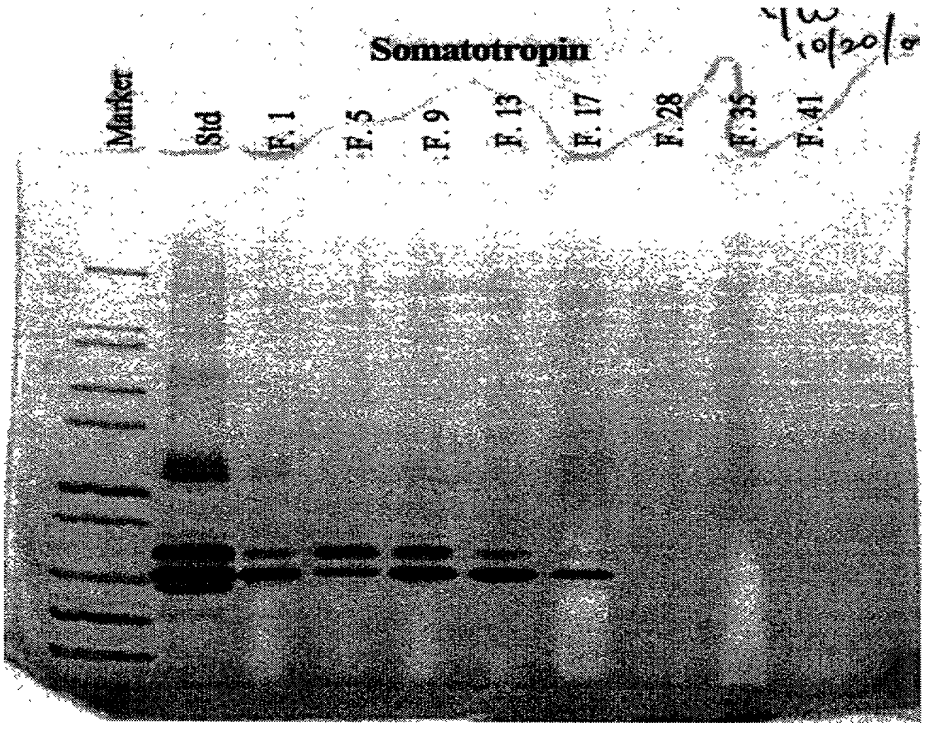


Figure 25

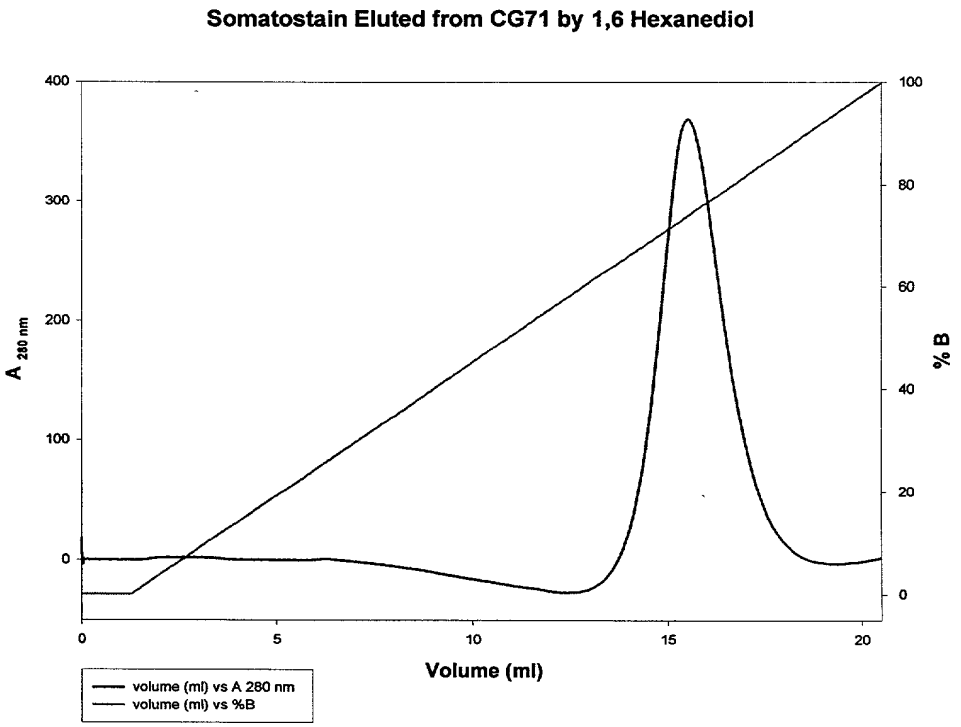

Somatostain Eluted from CG71 by 1,6 Hexanediol
400
300
200
100
0
A 280 nm
100
80
60
40
20
0
% B
0
5
10
15
20
Volume (ml)
volume (ml) vs A 280 nm
volume (ml) vs %B

Figure 26

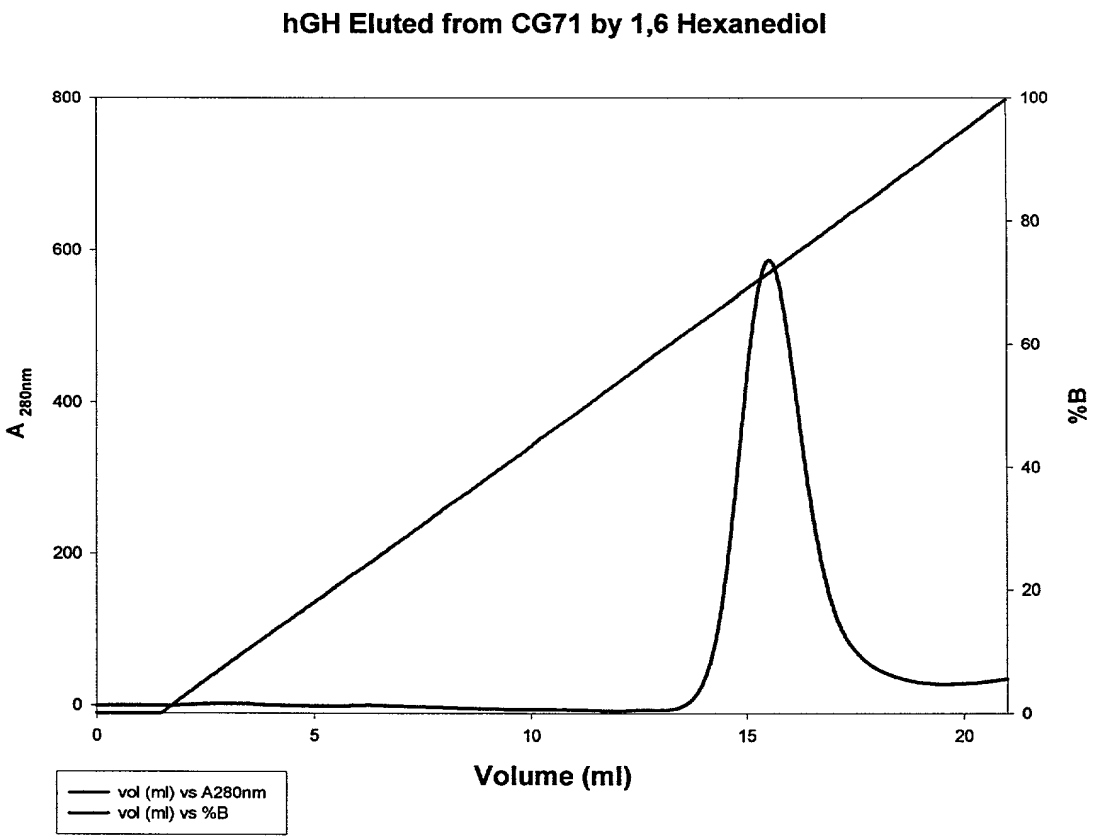

hGH Eluted from CG71 by 1,6 Hexanediol
800
600
400
200
0
A 280nm
100
80
60
40
20
0
%B
0
5
10
15
20
Volume (ml)
vol (ml) vs A280nm
vol (ml) vs %B

Figure 27

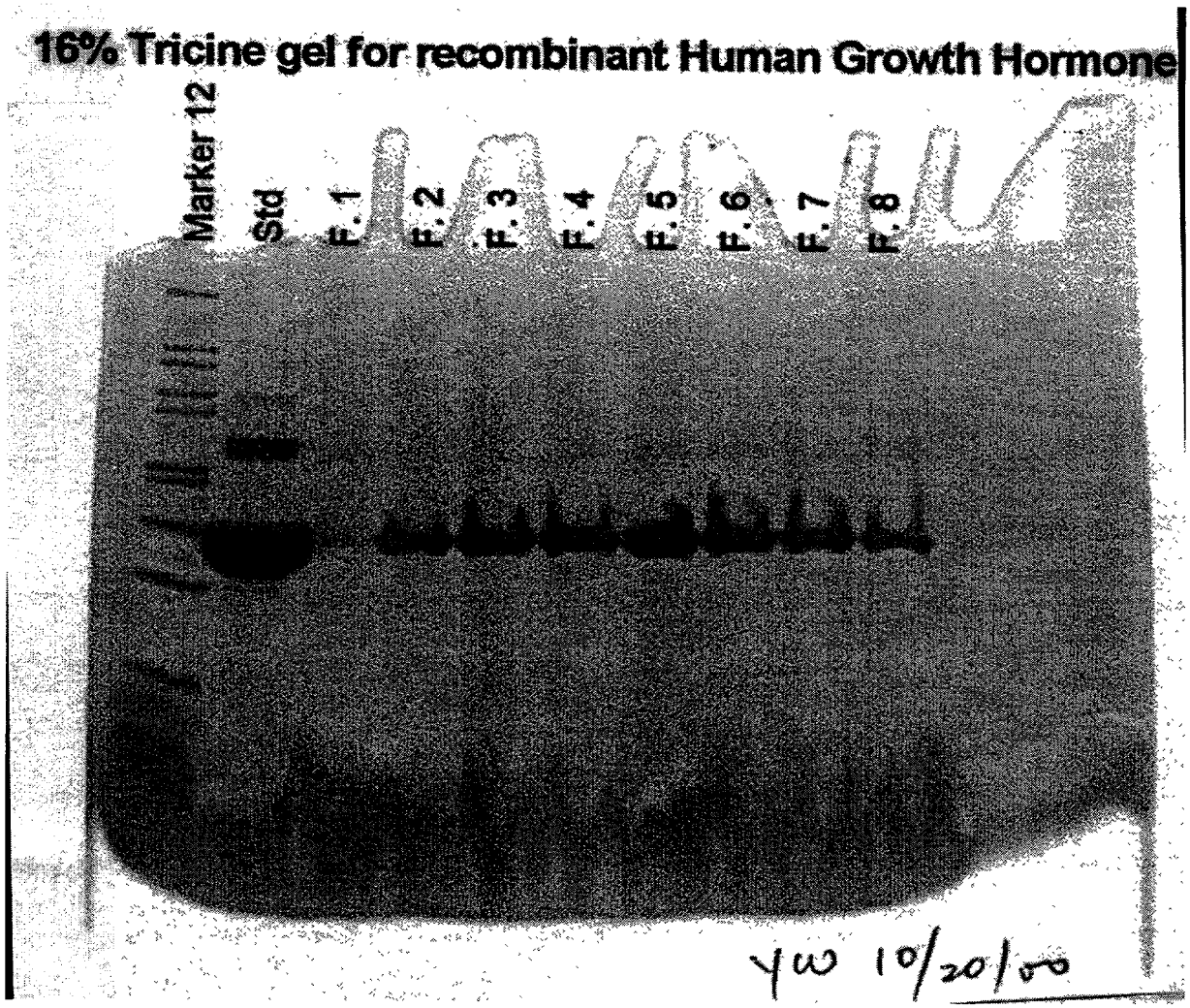

16% Tricine gel for recombinant Human Growth Hormone
Marker 12
Std
F. 1
F. 2
F. 3
F. 4
F. 5
F. 6
F. 7
F. 8
YW 10/20/00

Figure 28